

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A measuring apparatus comprising:

quasi-electrostatic field generating means for generating a  
quasi-electrostatic field applied to an object to be measured, the  
quasi-electrostatic field being of higher field strength as compared  
with a radiated electric field and an induced electromagnetic field  
generated by the quasi-electrostatic field generating means, said-  
~~quasi-electrostatic field being applied to an object to be measured;~~

quasi-electrostatic field detecting means for detecting a result of  
interaction between said quasi-electrostatic field and an electric  
field generated by said object ~~corresponding to a potential change~~  
~~caused by a dynamic reaction inside said object; [[and]]~~

extracting means for extracting, ~~said potential change~~ from said result of  
interaction, an electric potential change caused by a dynamic  
reaction of said object[[,]]; and

an insulating sheet,

wherein said quasi-electrostatic field detecting means comprises a first  
pair of electrodes ~~for detecting~~ configured to detect electric field  
strength and both formed on ~~a same~~ the insulating sheet.

2. (Previously Presented) The measuring apparatus according to claim 1, wherein:

said object to be measured is a living body; and

said dynamic reaction is a biological reaction.

3. (Previously Presented) The measuring apparatus according to claim 1, wherein  
said quasi-electrostatic field generating means generates a plurality of  
quasi-electrostatic fields of higher field strength as compared with  
said induced electromagnetic field, at a plurality of distances  
respectively corresponding to a plurality of frequencies.
4. (Currently Amended) The measuring apparatus according to claim 1, wherein  
said quasi-electrostatic field generating means generates a plurality of  
quasi-electrostatic fields of higher field strength as compared with  
said induced electromagnetic field, ~~in a time division manner~~ over  
time at a plurality of distances respectively corresponding to a  
plurality of frequencies.
5. (Currently Amended) The measuring apparatus according to claim 3, wherein said  
quasi-electrostatic field generating means comprises output adjusting means for:  
adjusting a plurality of voltages output to a predetermined electrode, so as  
to adjust a field strength of each of said quasi-electrostatic fields to  
a predetermined field strength, said plurality of voltages  
corresponding to said frequencies, [[and]]  
wherein said quasi-electrostatic field generating means output ~~outputting~~ a  
combined result of each of said voltages after said adjustment.
6. (Previously Presented) The measuring apparatus according to claim 4, wherein  
said quasi-electrostatic field generating means comprises output adjusting  
means for adjusting a plurality of voltages output to a  
predetermined electrode, so as to adjust a field strength of each of

said quasi-electrostatic fields to a predetermined field strength, said plurality of voltages corresponding to said frequencies.

7. (Currently Amended) The measuring apparatus according to claim 1, wherein:

said quasi-electrostatic field generating means comprises a second pair of electrodes for generating said quasi-electrostatic field; and

said first pair of electrodes and said second pair of electrodes are formed into a unit electrode and a plurality of said unit electrodes are formed on the insulating sheet ~~a same surface~~.

8. (Currently Amended) A measuring method comprising:

generating, by quasi-electrostatic field generating means, a quasi-electrostatic field of higher field strength as compared with a radiated electric field and an induced electromagnetic field generated by the quasi-electrostatic field generating means, and applying said quasi-electrostatic field to an object to be measured;

detecting, by a pair of electrodes ~~for detecting~~ configured to detect electric field strength and both arranged facing said object via a same insulating sheet, a result of interaction between said quasi-electrostatic field and an electric field generated by said object ~~corresponding to a potential change caused by a dynamic reaction inside said object;~~ and

extracting, from said result of interaction, [[said]] an electric potential change caused by a dynamic reaction of said object ~~from said result of interaction.~~

9. (Previously Presented) The measuring method according to claim 8, wherein:

said object to be measured is a living body, and  
said dynamic reaction is a biological reaction.

10. (Previously Presented) The measuring method according to claim 8, wherein  
a plurality of quasi-electrostatic fields of higher field strength as compared  
with said induced electromagnetic field are generated at a plurality  
of distances respectively corresponding to a plurality of  
frequencies.
11. (Currently Amended) The measuring method according to claim 8, wherein  
a plurality of quasi-electrostatic fields of higher field strength as compared  
with said induced electromagnetic field are generated ~~in time-  
division manner~~ over time at a plurality of distances respectively  
corresponding to a plurality of frequencies.
12. (Previously Presented) The measuring method according to claim 10, wherein  
generating said quasi-electrostatic fields comprises:  
adjusting a plurality of voltages output to a predetermined electrode, so as  
to adjust a field strength of each of said quasi-electrostatic fields to  
a predetermined field strength, said plurality of voltages  
corresponding to said frequencies, and  
outputting a combined result of each of said voltages after said  
adjustment.
13. (Previously Presented) The measuring method according to claim 11, wherein

generating said quasi-electrostatic fields comprises adjusting a plurality of voltages output to a predetermined electrode, so as to adjust a field strength of each of said quasi-electrostatic fields to a predetermined field strength, said plurality of voltages corresponding to said frequencies.

14. (Currently Amended) A measuring apparatus comprising:

quasi-electrostatic field detecting means for detecting a result of interaction between a quasi-electrostatic field and an electric field generated by potential changes caused by biological reactions inside a living body; [[and]]

extracting means for extracting, from the result of interaction, one of [[said]] a plurality of potential changes caused by predetermined one of [[said]] a plurality of biological reactions from said potential changes detected by said quasi-electrostatic field detecting means; and

an insulating sheet,

wherein said quasi-electrostatic field detecting means comprises a pair of electrodes for detecting electric field strength and both formed on a same the insulating sheet.

15. (Currently Amended) A measuring method comprising:

detecting, by a pair of electrodes [[for]] configured to detect detecting electric field strength and both arranged facing a living body via a same insulating sheet, a result of interaction between a quasi-electrostatic field and an electric field generated by potential changes caused by biological reactions inside said living body; and

extracting, from the result of interaction, one of [[said]] a plurality of  
potential changes caused by predetermined one of [[said]] a  
plurality of biological reactions of said living body ~~from said~~  
~~potential changes detected in said quasi-electrostatic field detecting~~  
step.